

# Presentations

2012 Topeka Kansas Dam Safety Conference

**Role of Historic Preservation in Dam**

**Construction.** Bob Hoard and Tim Weston,  
Kansas State Historical Society

**Showcasing Water Structures in the Media.** Deb  
O'Bannon, University of Missouri-Kansas City

**Dam Breach Modeling for Significant and High  
Hazard Dams.** Jude Kastens, University of Kansas

**Case Study: Little Walnut-Hickory Creek  
Watershed Sliplining.** Brian Lang, USDA-NRCS

**Lessons Learned From Primary Spillway Pipe  
Rehabilitation by Sliplining.** Vic Robbins, King  
and Associates Engineering

**Where Did Earth's Water Come From?** Greg  
Novacek, Fairmount Center for Science, Wichita  
State University

**Dam Construction and Maintenance Projects in  
Kansas.** Bob Schieffer, Bureau of Reclamation,  
Great Plains Region

**City Dam Maintenance: Best Practices.** Anthony  
Rome, City of Overland Park; Tom Jacobs, City of  
Lenexa; Clinton McNeemee, City of Atchison

**Burning (on Dams): Prescribed Fire.** Clenton  
Owensby, Kansas State University

**Dam Inspection Panel.** Kevin Shamburg, KLA  
Environmental Services Inc.; Kim Feldkamp,  
DWR, KDA; Leonard Bristow, DWR, KDA

**Kansas River Levee.** Michelle Neiswener, City of  
Topeka

**Forest-Related Water Quality Issues.** William  
Beck, Kansas Forest Service

**Floodplain Management 101.** Steve Samuelson,  
Floodplain Program, DWR, KDA

**KDOT Archive for Plan and Review Use.** Jonathan  
Marburger, Kansas Department of Transportation

**Pond Construction and Repair.** John Roth, DWR,  
KDA

**Drought and Dams.** Morgan Powell, Kansas State  
University

**Update and Regulation Changes.** Lucius  
Duerksen, U.S. Corps of Engineers

**Herbicides and Dams.** Gary Meyer and Shawn  
Hackett, KDA

**Water Rights.** Doug Schemm, DWR, KDA

**Making Dams Safe for Boaters.** Mike Caldwell,  
Friends of the Kaw

**Stream Mitigation.** Herb Graves, State  
Association of Kansas Watersheds

**Algal Blooms.** Larry Erickson, Kansas Natural  
Resource Council

2011 Topeka Kansas Dam Safety Conference

**Kansas Department of Agriculture Economic  
Challenges and Vision for the Future of Kansas  
Agriculture.** Chris Wilson, Kansas Department of  
Agriculture

**The Permanent Future of Kansas Waters and the  
Present Challenge to Kansas Water Law.** Burke  
Griggs, Kansas Department of Agriculture

**Current State of Water Resources in Kansas.**  
Tracy Streeter, Kansas Water Office

**Geotechnical Imaging: Detection of Structural**

**Components and Seepage Zones Using**

**Geophysics.** Justin Rittgers, Zonge Geosciences,  
Lakewood (CO)

**Water and Kansas History.** Rex Buchanan, Kansas  
Geological Survey

**Design Innovation.** John King, Division of Water Resources, Kansas Department of Agriculture (2011)

**Water Right Permitting in Kansas.** Lane Letourneau, Division of Water Resources, Kansas Department of Agriculture

**Side-Channel Spillway Hydraulics.** Donald Baker, Water Resources Solutions

**404 Permitting.** Stephen Penaluna, State Regulatory Office

**Lake Wanahoo Geotechnical Design and Construction Considerations.** Andrew Phillips, Olsson Associates

**Native Plant Use on Kansas Dams.** Richard Feyh, Feyh Farm Seed Company

**Kansas Dam Inspections.** Leonard Bristow, Division of Water Resources, Kansas Department of Agriculture

**Grass Planting for Slope Stabilization.** Walter Fick, Department of Agronomy, Kansas State University

**Labyrinth Weir - City of Augusta Dam.** Karl Svaty Jr., KEC Engineering Consultants

**Aquatic Nuisance Species: Asian Carp.** Jason Goeckler, Kansas Wildlife and Parks

**Fish Farm Dam Failure.** Chad Johnson, Olsson Associates

**Emergency Management: Real-Life Response to Three Dam Emergencies.** Leavenworth County Emergency Management

**Emergency Watershed Protection Program.** Bruce Wells, Natural Resources Conservation Service

**Drought Intensities and Impacts.** James Koelliker, Biological and Agricultural Engineering, Kansas State University

**Invasive Species: Using Ecological Forecasting to Access the Threat.** Ed Wiley, KU Biodiversity Institute

**Kansas Water-Related Agencies, DWR, and Overview of Dam Safety Programs.** Paul Graves, Division of Water Resources, Kansas Department of Agriculture

**Better Dams, Levees, Embankments: Soil Type and Compaction Factors Influence on Erosion Resistance.** Gregory Hanson, Agricultural Research Service, Hydraulic Engineering Research Unit, Stillwater, OK

**Dam Assessments.** Larry Sample, AMEC  
**National Weather Service Hydrologic Program Role in Dam Emergency Events.** Kevin Low, National Weather Service, River Forecast Center

**Oceans of Kansas.** Michael Everhart, Sternberg Museum of Natural History

**Stream Bank Restoration.** Brock Emmert, Watershed Institute Inc.

**Urban Lake and Stream Restoration.** Tony Stanton and Eric Dove, Olsson Associates (2011)

**Internet DSS Tools Demo.** David Bender, Kansas Department of Wildlife and Parks

**FEMA Levee Certification.** Tom Morey, Division of Water Resources, Kansas Department of Agriculture

**Floodplain Fills and Levees.** Ed Byrd, Division of Water Resources, Kansas Department of Agriculture

**Draft Regulations – Stream Bank Stabilization Projects/Channel Modifications.** Chris Warren, Division of Water Resources, Kansas Department of Agriculture

**Draft Regulations – Bridge and Culvert Projects.** Mike Calderwood, Division of Water Resources, Kansas Department of Agriculture

**2010 Hutchinson Kansas Dam Safety Conference**

**Levee Safety.** Karen Jacoby, National Committee on Levee Safety

**Georgia Floods of 2009.** Gregg Hudock

**Mission Lake Hydraulic Dredging Project.** Dan McDougal, Dredge America

**Hutchinson Sinkholes.** Kirk Hoefner, Kansas Department of Health and Environment

**Emergency Action Planning for Dams.** Beth Cooper, Division of Water Resources, Kansas Department of Agriculture; Larry Caldwell (OK); and Sandy Johnson, Kansas Department of Agriculture

**How Communities Can Be Better Prepared Financially in Event of Disaster Using Two Kansas Counties as Examples.** Chuck Banks

**Tulsa District Corps of Engineers Dams in Kansas and the New Risk Based Dam Safety Program.** Wade Anderson; U.S. Corps; Tulsa, OK

**Rebuilding an Empire: Repairing a 1906 Damaged Embankment Section.** Mathew Young, Applegate Group; Denver, CO

**Sand Dams in Kenya.** Tom MacDougall; Englewood, CO

**HAZUS-MH for Dam Inundation.** Michael Eddings, New Strawn

**RISK Maps.** Rodney Odom, FEMA-KC

**Plants as an Alternative to RipRAP.** Kim Austin, Terracon/Wichita

**Plant and Animal Impacts on Dams.** Sherry Durst, Division of Water Resources, Kansas Department of Agriculture

**Protection of Earth Levees From Waves Using Floating Water Barriers.** David Wren; USDA-ARS National Sedimentation Laboratory; Oxford, MS

**Abandonment of Underground Levee Wall Piping Penetrations.** Jeffrey Humenik, EMR Infrastructure and Environment

**Sea Ranch Dam Repairs: A Five Year Performance Review.** Tom MacCougall; Englewood, CO

**Levee Certification of the Wichita Valley Center Local Flood Control Project.** Joe File, AMEC

**Use and Design of Plastic Pipe on Embankment Dams.** Wade Anderson, U.S. Corps/Tulsa

**Habitat Assessment Mitigation.** Chris Mammoliti, Watershed Institute

**Zoning and Model Ordinances.** Herb Graves, State Association of Kansas Watersheds



**2009 Lawrence Kansas Dam Safety Conference**

**Hydrology.** Kim Feldkamp and Karl Landis, Division of Water Resources, Kansas Department of Agriculture

**Floodplain Basics.** Tom Morey, Division of Water Resources, Kansas Department of Agriculture

**Chapman Flooding and Reconstruction.** Steve Higgins, Riley County Emergency Management,

**Kaw River Degredation.** Earl Lewis

**RISK Mapping.** Stephen Noe, AMEC

**Streambank Stabilization.** Phil Balch, Wildhorse Riverworks

**SITES for Dam Design.** Ed Radatz, Natural Resources Conservation Services

**Zebra Mussels in Reservoirs.** Richard Sanders, Kansas Wildlife and Parks

**Levee Inspection and Flood Control Channels.** Bo Finneran, U.S. Corps of Engineers

**Stream Mitigation.** Terra Technologies

**PAL.** Federal Emergency Management Agency

**Dredging Reservations.** Scott Satterthwaite, Kansas Department of Health and Human Services

**Wichita Levee Project.** Joe File, AMEC

**Oklahoma Spillway Failures and Success.** J. Chris Stoner; Natural Resources Conservation Services; Stillwater, OK

**Removal of Marmot Dam, Sandy River, Oregon: Initial Response of Hungry River.** Jon Major, U.S. Geological Survey

**New Lake Restoration Methods.** Dennis Haag, Burns & McDonnell

**Archaeology and Reservoirs.** Bob Hoard, Kansas State Historical Society

**Lake Balalock Spillway and Outlet Works Improvements.** Scott Brand, Black and Veatch

**Partnering to Rehab a 102-Year-Old Outlet Works With a Full Reservoir.** Tom MacDouglas, RJH Consultants

**Liability of Dam Ownership.** David Starkey, Kansas Department of Agriculture

**HEC GEO RAS for Dam Breach.** Andrew Smith, Black and Veatch

**Ethics for Engineering.** Tom Mulinazzi, University of Kansas

**Dam Modification of a Lake Due to Hazard Classification Changes.** Monty Prescott, BG Consultants



**Hazard Class Upgrade.** Leonard Bristow, Division of Water Resources, Kansas Department of Agriculture

**Optimizing Your Dam Geotechnical Investigation.** Molly O'Connor, Black and Veatch

**Lake Manwa Rehab Study.** Mike Sotak, Tetra Tech

**Security for Dams.** Jack Byers, Applegate Group

**Construction at Horsethief Reservoir.** Andrea Prince, URS

**High Hazard EAPs.** Sherry Durst, Division of Water Resources, Kansas Department of Agriculture

**Construction Inspections.** Mitch Hollingsworth

**Significant Hazard EAPs.** John King, Division of Water Resources, Kansas Department of Agriculture

2008 Lawrence Kansas Dam Safety Conference

**Ka Loko Dam Failure.** Matt Rosener, Hawaii

**Geotechnical Considerations in Conduit Replacement by Cut and Cover Technique.** Danny McCook; Natural Resources Conservation Services; Fort Worth, TX

**Performance Review of RCC Spillways and Overtopping Protection.** Fares Abdo, Portland Cement Association; Wayne Adaska, Portland Cement

**Effective Presentations for Engineers.** Beth Cooper, Division of Water Resources, Kansas Department of Agriculture

**Cedar Creek Dam.** Lawrence Comfort, SKW Inc.

**Undistributed Sampling and Site Characterization for Dams.** Francke Walberg, URS

**Photo Documentation of Inspections.** David Starkey, Kansas Department of Agriculture

**Performance Review of RCC Spillways and Overtopping Protection.** Fares Abdo, Portland Cement Association

**Horsethief Reservoir Sampling.** Andrea Prince, URS

**Benchmark Surveying.** George Austin, former Division of Water Resources, Kansas Department of Agriculture

**Dam Breach Modeling in Very Mild Sloping, Wide Floodplains.** Randall Graham, WRE, South Florida

**Dealing With the Media During and Emergency.** Sharon Watson, Kansas Division of Emergency Management

**Flood Emergency in Kansas.** Kim Feldkamp and Tom Morey, Division of Water Resources, Kansas Department of Agriculture

**Stream Mitigation Guidelines.** Deb Baker, Kansas Water Office, and Paul Lichti, Kansas Geologic Survey

**NRCS Construction Quality Control.** Curtis Janssen, Natural Resources Conservation Services

**Construction Rules and Regulations.** Karl Landis, Division of Water Resources, Kansas Department of Agriculture

**South Florida Water Management District Emergency Action Plan.** Kurt Amundson, Lisa Flax and Randall Graham, North Florida Water Management

**Auxiliary Spillway Repairs-The NRCS Perspective.** Brian Lang, Natural Resources Conservation Services

**Watershed District Act.** Matt Scherer, Division of Water Resources, Kansas Department of Agriculture

**Economic Value of Embankment Dams.** Morgan Powell

**Dam Permitting Requirements.** Kim Feldkamp, Division of Water Resources, Kansas Department of Agriculture

**Future of Watershed Districts.** Herb Graves, State Association of Kansas Watersheds



2007 Topeka Kansas Dam Safety Conference

**Lamerston Lakes Dam.** Bob Huzjack

**Administration of Water Rights.** Kay Teisort, Division of Water Resources, Kansas Department of Agriculture

**Dam Breach Inundation Mapping 101.** Doug Danherk, Wilson



**Rehabilitation and Reconstruction of Abramson Dam.** Vic Robbins, King Associates

**Tuttle Creek Dam Overview.** Cindy Moses, U.S. Corps of Engineers

**Floodplain Basics.** Tom Morey, Division of Water Resources, Kansas Department of Agriculture

**Stream Obstructions Overview.** Ed Byrd, John Roth and Matt Scherer, Division of Water Resources, Kansas Department of Agriculture

**High Hazard Emergency Acton Plans.** Sherry Durst, Division of Water Resources, Kansas Department of Agriculture

**Levee Certification of the Wichita Valley Central Local Flood Control Project.** Joe File, Scott Lindebak, and Stephen Noe

**Professionally Accredited Levees PALS.** Julie Grauer, Federal Emergency Management Agency

**Lamberston Lakes No. 13 Dam: Reduced Hazard Classification Enable Improved**

**Dam Safety.** Bob Huzjack, RJH Consultants

**Administration of Water Rights in Kansas.** Division of Water Resources staff, Kansas Department of Agriculture

**404 Corps of Engineers Permitting.** Stephen Penaluna, Kansas State Regulatory Office

**Dam Repairs During an Emergency.** Joe File, Professional Engineering Consultants

**Moffett Dam Pipe Replacement.** Nick Dondlinger, Dondlinger Construction

**GIS Mapping.** Carlos Carriega, Dibble & Associates

**Mobile Siphons in Dam Emergencies.** Jeff Hartranft, Pennsylvania Division of Dam Safety

**Critzer Dam Construction.** Lawrence Comfort, SKW Inc.

**GIS Data With DFIRM.** Will Zung, URS Corporation

**EAPs for High and Significant Hazard Dams.** Herb Graves, State Association of Kansas Watersheds



**Flint Oak Resort.** Tom Ruggles

**GIS Applications for Dam Owners.** Doug Danaher, Wilson & Company

**Design Techniques.** John King, Division of Water Resources, Kansas Department of Agriculture

**Resurrecting a Pond in Lenexa.** Tom Jacobs, City of Lenexa

**Seismic Investigations for Dam Safety.** Rick Miller, Kansas Geological Survey

**RCC Spillways.** Sherry Hunt; ARS; Stillwater, OK

**Sedimentation of Pennsylvania Dams.** Jeff Hartranft, Pennsylvania Division of Dam Safety



**Geologic Investigations.** Scott Anderson,

**Wetland Filter Strip for Ponds.** Carson Cox,  
Kansas Department of Wildlife and Parks

**Kansas Reservoirs: Sedimentation and Sources.**  
Kyle Juracek, Kansas Geological Survey

**Methods to Reduce Siltation.** Steve Starrett,  
Kansas State University

**Flood Plain Basics.** Rhonda Montgomery, Division

2006 Wichita Kansas Dam Safety Conference

of Water Resources, Kansas Department of  
Agriculture

**Dam Maintenance During Drought.** Morgan  
Powell, Kansas State University

**Breach Modeling.** Sherry Hunt, ARSm  
Water Resources, Kansas Department of  
Agriculture

**Natural and Human Disasters.** Frank Calcagno,  
Federal Energy Regulatory Commission

**Taum Sauk Dam.** Jim Alexander, Missouri  
Department of Natural Resources

**Simplot Lagoon-Oregon.** John Falk, Oregon Dam  
Safety Program

**Dam Strategies During WWII.** Frank Calcagno,  
Federal Energy Regulatory Commission

**Wakarusa WRAPS.** Alison Reber, Kaw Valley  
Heritage Alliance

**HEC RAS Studies.** Dennis Lawlor, AMEC

**Small Dam Owners Seminar.** Sherry Durst and  
Leonard Bristow, Division of Water Resources,  
Kansas Department of Agriculture

**Lake Lenexa and Water Quality.** Andrew Smith,  
Black and Veatch

**Inundation Rules and Regulations.** Matt Scherer  
and Kim Feldkamp, Division of Water Resources,  
Kansas Department of Agriculture

**Dam Incidents.** Leonard Bristow and Kim  
Feldkamp, Division of Water Resources, Kansas  
Department of Agriculture

**SCC Rehab Funding.** Hakim Saadi, State  
Conservation Commission

**SITES Dam Design Program.** Ed Radatz, Natural  
Resources Conservation Service

**Emergency Action Planning.** John Falk, Division of  
Water Resources, Kansas Department of  
Agriculture

**KARS Project in Kansas.** Sherry Durst, Division of  
Water Resources, Kansas Department of  
Agriculture

**Fuse Auxiliary Spillway.** Mike Sotak, Olsson and  
Associates

**Increasing Efficiency of HEC RAS.** Doug Danaher,  
Wilson & Company

**Drains and Filters.** Brian Lang, Natural Resources  
Conservation Service

**Horsethief Reservoir.** Ron Allen, Pawnee  
Watershed

**General Permitting Requirements.** Matt Scherer,  
Division of Water Resources, Kansas Department

2005 Topeka Kansas Dam Safety Conference

**Permitting Overview.** David Pope, Division of  
Water Resources, Kansas Department of  
Agriculture

**New Jersey Dam Failure.** John Ritchey

**Lake Lenexa.** Don Baker & Scott Brand, Black and  
Veatch

**Tuttle Creek Dam.** Bill Empson and Brian  
McNulty, Tuttle Creek Reservoir

**Floodplain Basics.** Rhonda Montgomery, Division of Water Resources, Kansas Department of Agriculture

**Hazard Classification/Breach Analysis.** Joe File, Division of Water Resources, Kansas Department of Agriculture

**Dam Contracting.** Jim Wallace

**Inundation Mapping.** Stephen Noe, AMEC

**Inspection Guidelines.** Kim Feldkamp, Division of Water Resources, Kansas Department of Agriculture

**Insurance for Small Dam Owners.** Dan Kuecker, American Family Insurance

**Zoning Activities.** Herb Graves, State Association of Kansas Watersheds

**Lessons From Dam Incidents.** John Ritchey, New Jersey Department of Environmental Protection

**Watershed Benefits 101.** Paul Gallagher, Natural Resources Conservation Service

**Small Dam Inspections.** Lawrence Comfort, SKW Inc.

**Examples of Dam Problems.** Sherry Durst, Division of Water Resources, Kansas Department of Agriculture

**Hazard Classifications/Breach Analysis.** Joe File, Division of Water Resources, Kansas Department

of Agriculture

**Emergency Action Planning.** Bill Empson and Brian McNulty

**Administrative Regulations.** Matt Scherer, Division of Water Resources, Kansas Department of Agriculture

**Dam Removal Case Study.** John King, Brian Kingsley, and Judy Miller (2005)

**Analysis of Dams in Kansas.** Sherry Durst, Division of Water Resources, Kansas Department of Agriculture

**Permitting Requirements.** Leonard Bristow, Division of Water Resources, Kansas Department of Agriculture

**Construction Inspection.** Brian Lang, Natural Resources Conservation Service

**Dam Inspections for Small Dams.** John King, Division of Water Resources, Kansas Department of Agriculture

**Permitting Requirements – Dam Rehabilitation.** Joe File, Division of Water Resources, Kansas Department of Agriculture

**Successful Water Project Funding.** Chuck Banks (USDA Rural Development), Greg Foley, Ron Norris (City of Lenexa)

**Repairing Small Dams.** Gene Peters, Performance Plus

**Permitting Panel.** Matt Scherer, Scott Satterthwaite (Kansas Department of Health and Environment), Jim Haynes (Kansas Department of Wildlife and Parks), and Stephen Penaluna (U.S. Corps of Engineers)

**Maintaining and Operating a Small Dam.** Dennis Brinkman, NRCS

**Managing Animal Effects.** Charles Lee, Wildlife K-State Research and Extension





**Erosion Control.** Bob Meinzer, Contech Construction Products

**Hydrology/Hydraulics.** Joe File, Division of Water Resources, Kansas Department of Agriculture

**Geotechnical Issues.** Matt Scherer, Division of Water Resources, Kansas Department of Agriculture

**Design Criteria.** Leonard Bristow, Division of Water Resources, Kansas Department of Agriculture

**Neosho River Log Jam.** Scott Satterthwaite, Kansas Department of Health and Environment of Agriculture

**Surprise! You Own a High Hazard Dam.** Mike Soltak, Olsson Associates

**Dam Safety Starts With Maintenance.** Herb Graves, State Association of Kansas Watersheds

**Water Rights in Kansas.** Bruce Falk, Division of Water Resources, Kansas Department of Agriculture

**Seepage Control.** Paul Rollins, Willowstick

**Watershed Benefits.** Paul Gallagher, Natural Resources Conservation Service

**Slope Instability Case Study.** Brian Linnan, and Francke Walberg, URS Corporation

**Fall River Study.** Phil Barnes, K-State; Brock Emmert, Watershed Institute; and Nate Davis, Kansas Department of Wildlife and Parks

**Floodplain Basics.** Rhonda Montgomery, Division of Water Resources, Kansas Department of Agriculture

**Safety Inspection Guidelines.** Leonard Bristow and John King, Division of Water Resources, Kansas Department of Agriculture

**Zoning Activities.** Herb Graves, SAKW

**Camera Inspection of Dams.** Gene Peters, Performance Plus/OK

**Inundation Mapping.** Amec

**Construction Inspection.** Paul Larson, Mitch Hollingsworth, Natural Resources Conservation Service

**Dam Inspection for Small Dams.** Lawrence Comfort, SKW Inc.

**Dam Rehabilitation/Modification.** Division of Water Resources staff, Kansas Department of Agriculture

**Dam Safety Regulations.** Matt Scherer, Division of Water Resources, Kansas Department of Agriculture

**EG-1 and EG-2 Changes/Design Criteria.** Matt Scherer, Division of Water Resources, Kansas Department of Agriculture

**Examples of Dam Problems.** Sherry Durst, Division of Water Resources, Kansas Department of Agriculture

**Floodplain and Breach Inundation.** AMEC

**Geotechnical Issues.** Matt Scherer, Division of Water Resources, Kansas Department of Agriculture

**Hazard Classification.** Matt Scherer, Division of Water Resources, Kansas Department of Agriculture

**Hydraulics/Hydrology.**

**Inspection Guidelines.** Division of Water Resources staff, Kansas Department of Agriculture

**Insurance for Small Dam Owners.** Don Tolley, American Family Insurance

**Liability Issues.** Dan Riley

**Maintaining and Operating Small Dams.** Danny Rogers, Kansas Extension Services

**Monticello Dam.** Black and Veatch

**Panel Discussion/Permitting.**

**Repairing Small Dams.** Gene Peters, Performance Plus

**Sample Dam Safety Report.**

**Slope Protection.** Judy Company

**Small Dam Design and Construction.** Vic Robbins, King Engineering

**Tuttle Creek Dam.**

**Watershed Benefit Cost Analysis.** Panel

**Why Do We Need Those Dam Permits?** David Pope, Division of Water Resources, Kansas Department of Agriculture

